7-14-06

1634
IDW

Attorney Docket No. 5405-271

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Pericak-Vance et al.
Application No.: 10/520,779
Filed: October 13, 2005
For: *Screening for Alzheimer's Disease*

Confirmation No.: 2423
Group Art Unit: 1634

Date: July 13, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. § 1.97(b)

Sir:

Attached is a list of documents on Form PTO-1449, together with a copy of any listed foreign patent document and/or non-patent literature. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the amendment by the U.S. Patent and Trademark Office to 37 C.F.R. § 1.98(a)(2)(ii) effective October 21, 2004.

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. § 1.97(b), within three months of the filing date of the above-referenced application or before the mailing of a first Office Action on the merits, whichever event occurs last. Therefore, no fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

Respectfully submitted,

Mary L. Miller
Registration No. 39,303

Myers Bigel Sibley & Sajovec, P.A.
P. O. Box 37428
Raleigh, North Carolina 27627
Telephone: (919) 854-1400
Facsimile: (919) 854-1401
Customer No. 20792

CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10

"Express Mail" mailing label number: EV769236138US
Date of Deposit: July 13, 2006
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop xx, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Tracy Wallace

Substitute form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/520,779
		Filing Date	October 13, 2005
		First Named Inventor	Pericak-Vance et al.
(use as many sheets as necessary)		Group Art Unit	1634
		Examiner Name	B. Forman
Sheet	1 of 4	Attorney Docket Number	5405-271

U.S. PATENTS AND PATENT PUBLICATIONS					
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
	1.	5,449,604		Schellenberg et al.	09/12/1995
	2.	5,508,167		Roses et al.	04/16/1996
	3.	5,879,884		Peroutka	03/09/1999
	4.	5,922,556		Mayeux et al.	07/13/1999
	5.	5,958,684		Van Leeuwen et al.	09/28/1999
	6.	6,027,896		Roses et al.	02/22/2000
	7.	6,165,727		Lalouel et al.	12/26/2000
	8.	6,108,635		Herren et al.	08/22/2000
	9.	6,194,153		St. George-Hyslop et al.	02/27/2001
	10.	20040014109		Pericak-Vance et al.	01/22/2004
	11.	20040248092		Vance et al.	12/09/2004
	12.	20040053251		Pericak-Vance et al.	03/18/2004
	13.	20050191652		Vance et al.	09/01/2005
	14.	20060068428		Vance et al.	03/30/2006
	15.	20060115845		Vance et al.	06/01/06

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation
		Office	Number	Kind Code (if known)			
	16.	WO	01/20998	A1	Linden Technologies, Inc.	03/29/2001	
	17.	WO	2004/007681	A3	Duke University	01/22/2004	
	18.	WO	02/02000	A3	Duke University	01/10/2002	
	19.	WO	00/31253	A2	Rhone-Poulenc Rorer S.A.	06/02/2000	
	20.	WO	99/57129	A1	Mayo Foundation for Medical Education and Research	11/11/1999	
	21.	WO	01/92576	A1	Duke University	12/06/2001	

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, ~~serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published~~	T
	22.	Abbas et al. "A Wide Variety of Mutations in the *Parkin* Gene are Responsible for Autosomal Recessive Parkinsonism in Europe" *Hum. Mol. Genet.* 8(4):567-574 (1999)	
	23.	Amos "Robust Variance-Components Approach for Assessing Genetic Linkage in Pedigrees" *Am J Human Genetics* 54:535-543 (1994)	
	24.	Antonarakis et al. "Recommendations for a Nomenclature System for Human Gene Mutations" *Human Mutation* 11:1-3 (1998)	
	25.	Baker "Association of an extended haplotype in the *tau* gene with progressive supranuclear palsy" *Hum. Mol. Genet.* 8(4):711-715 (1999)	
	26.	Bertram et al. "No Association between marker D10S1423 and Alzheimer's Disease" *Molecular Psychiatry* 8:571-573 (2003)	
	27.	Bertram et al. "Evidence for Genetic Linkage of Alzheimer's Disease to Chromosome 10q" *Science* 290:2302-2305 (2000)	
	28.	Blacker et al. "Results of high-resolution genome screen of 437 Alzheimer's Disease families" *Hum. Mol. Genet.* 12(1):23-32 (2003)	
	29.	Blangero et al. "Multipoint Oligogenic Linkage Anaylsis of Quantitative Traits" *Genetic Epidemiology* 14:959-964 (1997)	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/520,779
		Filing Date	October 13, 2005
		First Named Inventor	Pericak-Vance et al.
		Group Art Unit	1634
(use as many sheets as necessary)		Examiner Name	B. Forman
Sheet	2of 4	Attorney Docket Number	5405-271

OTHER NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	30.	Board et al. "Identification, Characterization, and Crystal Structure of the Omega Class Glutathione Transferases" *Journal of Biological Chemistry* 275(32):24798-24806 (2000)	
	31.	Bouffard et al. GenBank Accession No. G20124. 28 September 1998	
	32.	Boyles et al. "Linkage Disequilibrium Inflates Type 1 Error Rates in Multipoint Linkage Analysis when Parental Genotypes Are Missing" *Hum Hered.* 59(4):220-227 (2005)	
	33.	Copy of specification for Application No. 10/520,695 (Attorney Docket No. 5405-264), filed 01/07/05	
	34.	Corder et al. "Gene dose of Apolipoprotein E Type 4 Allele and the Risk of Alzheimer's Disease in Late Onset Families" *Science* 261(5123):921-923 (1993)	
	35.	Daw et al. "Multipoint Oligogenic Analysis of Age-at-Onset Data with Applications to Alzheimer Disease Pedigrees" *Am J Human Genetics* 64:839-851 (1999)	
	36.	Daw et al. "The Number of Trait Loci in Late-Onset Alzheimer Disease" *Am J Human Genetics* 66:196-204 (2000)	
	37.	DeStefano et al. "Genome-Wide Scan for Parkinson's Disease: The *Gene*PD Study" *Neurology* 57:1124-1126 (2001)	
	38.	Dizier et al. "Genome screen for asthma and related phenotypes in the French EGEA study" *American Journal Respiratory and Critical Care Medicine* 162:1812-1818 (2000)	
	39.	Duggirala et al. "Linkage of Type 2 Diabetes Mellitus and of Age at Onset to a Genetic Location on Chromosome 10q in Mexican Americans" *Am J Human Genetics* 64:1127-1140 (1999)	
	40.	Dulhunty et al. "The Glutathione Transferase Structural Family Includes a Nuclear Chloride Channel and a Ryanodine Receptor Calcium Release Channel Modulator" *Journal of Biological Chemistry* 276(5):3319-3323 (2001)	
	41.	Ertekin-Taner et al. "Linkage of Plasma Aβ42 to a Quantitative Locus on Chromosome 10 in Late-Onset Alzheimer's Disease Pedigrees" *Science* 290:2303-2304 (2000)	
	42.	GenBank Accession No. rs4925, Reference SNP	
	43.	Goate et al. "Segregation of a Missense Mutation in the Amyloid Precursor Protein Gene with Familial Alzheimer's Disease" *Nature* 349:704-706 (1991)	
	44.	Goldgar "Mulitipoint Analysis of Human Quantitative Genetic Variation" *Am J Human Genetics* 47:957-967 (1990)	
	45.	Grover et al. "Effects on splicing and protein function of three mutations in codon N296 of *tau* in vitro" *Neuroscience Letters* 323:33-36 (2002)	
	46.	Hattori et al. "Point Mutations (Thr240Arg and Ala311Stop) in the *Parkin* Gene" *Biochem. Biophys. Res. Commun.* 249:754-758 (1998)	
	47.	Hiltunen et al. "Linkage disequilibrium in the 13q12 region in Finnish late onset Alzheimer's disease patients" *European Journal of Human Genetics* 7:652-658 (1999)	
	48.	Hiltunen et al. "Linkage disequilibrium of Late-Onset Alzheimer's Disease at 13q12 Region" *Society for Neuroscience* 24:1218m entry 478.4 (1998)	
	49.	International Search Report corresponding to PCT/US01/16940 dated August 24, 2001	
	50.	International Search Report corresponding to PCT/US03/21963 dated September 9, 2004	
	51.	International Search Report corresponding to PCT/US01/41224 dated January 15, 2002	
	52.	Ioannidis et al. "Replication validity of genetic association studies" *Nature Genetics* 29:306-309 (2001)	
	53.	Kehoe et al. "A Full Genome Scan for Late Onset Alzheimer's Disease" *Human Molecular Genetics* 8(2):237-245 (1999)	
	54.	Khan et al. "Parkinson's Disease Is Not Associated With the Combined α-Synuclein/Apolipoprotein E Susceptibility Genotype" *Annals of Neurology* 49(5):665-668 (2001)	
	55.	Kitada et al. "Mutations in the *parkin* gene cause autosomal recessive juvenile parkinsonism" *Nature* 392:605-608 (1998)	
	56.	Levy-Lahad et al. "Candidate Gene for the Chromosome 1 Familial Alzheimer's Disease Locus" *Science* 269:973-977 (1995)	
	57.	Li et al. "Modulation of Age at Onset and Risk in Alzheimer Disease" Abstract presented at American Society of Human Genetics Meeting, San Diego, CA October 2001	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/520,779
		Filing Date	October 13, 2005
		First Named Inventor	Pericak-Vance et al.
		Group Art Unit	1634
(use as many sheets as necessary)		Examiner Name	B. Forman
Sheet	3of 4	Attorney Docket Number	5405-271

	58.	Li et al. "Glutathione S-transferase omega-1 modifies age-at-onset of Alzheimer disease and Parkinson disease" *Human Molecular Genetics* 12(24):3259-3267 (2003)	
	59.	Li et al. "Age at Onset in Two Common Neurodegenerative Diseases Is Genetically Controlled" *Am. J. Hum. Genet.* 70:985-993 (2002)	
	60.	Li et al. "Revealing the role of glutathione S-transferase omega in age-at-onset of Alzheimer and Parkinson Disease" *Neurobiology of Aging* 27:1087-93 (Epub. June 27, 2005)	
	61.	Liang et al. "Covariate analysis of late-onset Alzheimer disease refines the chromosome 12 locus" *Molecular Psychiatry* 11:280-285 (2006)	
	62.	Lippa at al." α-Synuclein in Familial Alzheimer Disease" *Arch Neurol.* 58:1817-1820 (2001)	
	63.	Lucentini at al. "Gene Association Studies Typically Wrong," *The Scientist* 18(24):20 (2004)	
	64.	Martin et al. "Association of Single-Nucleotide Polymorphisms of the *Tau* Gene with Late-Onset Parkinson Disease" *JAMA* 286(18):2245-2250 (2001)	
	65.	Martin et al. "SNPing Away at Complex Diseases: Analysis of Single-Nucleotide Polymorphisms around APOE in Alzheimer Disease" *Am. J. Hum. Genet. 67:383-394 (2000)*	
	66.	Morris et al. "The *tau* gene A0 polymorphism in progressive supranuclear palsy and related neurodegenerative diseases" *J. Neurol. Neurosurg. Psychiatry* 66:665-667 (1999)	
	67.	Murray et al. GenBank Accession No. G08525. 05 February 1997.	
	68.	Murray et al. GenBank Accession No. G08539. 05 February 1997	
	69.	Myers et al. "Susceptibility Locus for Alzheimer's Disease on Chromosome 10" *Science* 290:2304-2305 (2000)	
	70.	Neuman et al. "Linkage Analysis of a Complex Disease: Application to Familial Alzheimer's Disease" *Genetic Epidemiology* 10:419-424 (1993)	
	71.	Nussbaum et al. "Genetics of Parkinson's Disease" *Human Molecular Genetics* 6(10):1687-1691 (1997)	
	72.	Oliveira et al. "Association Study of Parkin Gene Polymorphisms With Idiopathic Parkinson Disease" *Arch Neurol.* 60:975-980 (2003)	
	73.	Oliveira et al. "Identification of Risk and Age-at-Onset Genes on Chromosome 1p in Parkinson Disease" *Am. J. Hum. Genet.* 77:252-264 (2005)	
	74.	Oliveira et al. "Linkage disequilibrium and haplotype tagging polymorphisms in the *Tau* H1 haplotype" *Neurogenetics* 5:147-155 (2004)	
	75.	Oliveira et al. "Parkin Mutations and Susceptibility Alleles in Late-Onset Parkinson's Disease" *Ann Neurol* 53:624-629 (2003)	
	76.	Pastor et al. "Significant Association between the tau Gene A0/A0 Genotype and Parkinson's Disease" *Annals of Neurology* 47(2):242-245 (2000)	
	77.	Pericak-Vance et al. "Complete Genomic Screen in Late-Onset Familial Alzheimer's Disease" *Neurobiology of Aging* 19(1S):S39-S42 (1998)	
	78.	Pericak-Vance et al. "Modulation of Age at Onset and Risk in Alzheimer Disease" Abstract presented at the National Institute on Aging, Neuroscience Symposium on the Genetics of Alzheimer Disease, November, 2001	
	79.	Pericak-Vance et al. "Identification of Novel Genes in Late-Onset Alzheimer's Disease " *Exp. Gerontol.* 35:1343-1352 (2000)	
	80.	Polymeropoulos et al. "Mapping of a Gene for Parkinson's Disease to Chromosome 4q21-q23" *Science* 274(5290):1197-1199 (1996)	
	81.	Results of Search for "MAPT" in SNP database in GenBank	
	82.	Rogaev et al. "Familial Alzheimer's disease in kindreds with missense mutations in a gene on chromosome 1 related to the Alzheimer's disease type 3 gene" *Nature* 376:775-778 (1995)	
	83.	Scott et al. "Complete Genomic Screen in Parkinson Disease" *JAMA* 286(18):2239-2244 (2001)	
	84.	Scott et al. "Fine Mapping of the Chromosome 12 Late-Onset Alzheimer Disease Locus: Potential Genetic and Phenotypic Heterogeneity" *Am. J. Hum. Genet.* 66:922-932 (2000)	
	85.	Scott et al. "Ordered Subsets Linkage Analysis Detects Novel Alzheimer Disease Loci on Chromosomes 2q34 and 15q22" *Am. J. Hum. Genet.* 73:1041-1051 (2003)	
	86.	Shashidharan et al. "*TorsinA accumulation in Lewy bodies in sporadic Parkinson's disease*" *Brain Research* 877:379-381 (2000)	
	87.	Sherrington et al. "Cloning of a gene bearing missense mutations in early-onset familial Alzheimer's disease" *Nature* 375:754-760 (1995)	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/520,779
		Filing Date	October 13, 2005
		First Named Inventor	Pericak-Vance et al.
		Group Art Unit	1634
(use as many sheets as necessary)		Examiner Name	B. Forman
Sheet	4of 4	Attorney Docket Number	5405-271

	88.	van der Walt et al. "Genetic polymorphisms of the N-acetyltransferase genes and risk of Parkinson's diesease" *Neurology* 60:1189-1191 (2003)	
	89.	van der Walt et al. "Mitochondrial Polymorphisms Significantly Reduce the Risk of Parkinson Disease" *Am. J. Hum. Genet.* 72:804-811 (2003)	
	90.	van der Walt et al. "Fibroblast Growth Factor 20 Polymorphisms and Haplotypes Strongly Influence Risk of Parkinson Disease" *Am. J. Hum. Genet.* 74:1121-1127 (2004)	
	91.	Vance et al. "Methods of Genotyping" in *Approaches to Gene Mapping in Complex Human Diseases,* pp.213-228, Eds. J. Haines and M. Pericak-Vance, John Wiley & Sons, Inc. New York	
	92.	Wacholder et al. "Assessing the Probability That a Positive Report is False: An Approach for Molecular Epidemiology Studies" *Journal of the National Cancer Institute* 96(6):434-442 (2004)	
	93.	Wjst et al. "A Genome-Wide Search for Linkage to Asthma," *Genomics 58*:1-8 (1999)	
	94.	Xu et al. "Genomewide Screen and Identification of Gene-Gene Interactions for Asthma-Susceptibility in three U.S. Populations: Collaborative Study on Genetics in Asthma" *American Journal of Human Genetics* 68:1437-1446 (2001)	
	95.	Zakharyan et al. "Human Monomethylarsonic Acid (MMA^V) Reductase Is a Member of the Glutathione-S-transferase Superfamily" *Chem. Res. Toxicol.* 14:1051-1057 (2001)	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.